

John “Dobson” Dunavant Jr.

Charleston, SC | (901) 356-4309 | jdobsond3@gmail.com | [linkedin.com/in/dobson-dunavant](https://www.linkedin.com/in/dobson-dunavant) | github.com/dobsonddev

Education

Bachelor of Science in Computer Science, College of Charleston, (Major GPA: 3.7) May 2024 (expected)

Bachelor of Science in Accounting, College of Charleston December 2017

Skills

Programming Languages: TypeScript, Python, SQL, Java, JavaScript, Dart, HTML, CSS

Frameworks and Libraries: Angular, React.js, Flutter, Next.js, SpringBoot, Django, Go, Node.js, Express.js, OpenCV

Tools and Cloud Services: AWS, Firebase, Git Flow, Jira, Docker, REST APIs, GraphQL, Prisma, Postman, Axios, Apollo, PowerBI, Tableau, OpenCV, PostgreSQL, SQL Server, Figma, BigQuery, Apache Spark, Jest, Maven, Elasticsearch

Soft Skills: Collaborator, Fast Learner, Self-Starter, Leader-Follower, Value-Focused.

Experience

Robotics/Machine Learning Co-Op September 2023 - current
College of Charleston/Mercedes-Benz Vans Ladson, SC

- Developing a large-scale, autonomous inventory system through a multi-layered machine learning system, industrial sensors, and multiple **AWS cloud services** to enable optimized, secure, real-time data streaming.
- Gathering and specifying stakeholder requirements for effective and minimally invasive system designs.
- Early prototypes significantly improve inventory accuracy and operational efficiencies, reducing manual errors.

Software Engineering Intern May 2023 - August 2023
Savvas Learning Company (*EdTech*) Phoenix, AZ

- Developed accessibility solutions for an industry-leading K-12 edtech platform using **Angular 16** MFEs, **Apollo**, **GraphQL**, **SpringBoot**, **PostgreSQL**, **StencilJS**, and **Storybook** in an **Agile** environment.
- Resolved 14 high-impact accessibility tickets across sprints, ensuring web accessibility (WCAG 2.1) standards.
- Led development of 2 hackathon projects, **Karate** for API testing and **PowerBI** for a student analysis dashboard.
 - Boosted API test coverage by 23% in 2 months through Karate integration into **CI/CD pipeline** (JaCoCo Metrics).
 - Won hackathon with student dashboard project, now advancing towards a Q1 2024 production release.

Data Engineering Intern September 2022 - January 2023
Fiscal Spreading & Tracking (*FinTech*) Charleston, SC

- Aided in agile re-architecture of a desktop app to a serverless web application using **React**, **Django**, and **AWS**, improving scalability and performance.
- Contributed to migration and redesign of SQL Server database to AWS RDS, improved query performance by 31%.
- Implemented data validation rules to reduce data errors and improve data integrity.
- Optimized multiple API calls and their queries, reducing server-load and improving response times.

Data Analyst / Scrum Master March 2018 - March 2021
Ceterus (*FinTech startup*) Charleston, SC

- Developed and validated financial data sets for a fintech app, empowering small-business owners with key financial insights.
- Led Scrum team, reducing project lead time by 21% and boosting story point velocity by 19% in 6 months (**JIRA** metrics).